In the specification:

Please replace the paragraph beginning at page 8, line 18 with the following rewritten paragraph, which provides the appropriate label (38) for the first occurrence of the "step propagator," and corrects the second occurrence of "step propagator" to read "step executor."
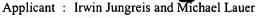
-- Steps 34 that will be performed on atoms 24 during regeneration may be produced or managed by step propagator 38, and may be stored in step repository 44. System 10 may also store data regarding which atoms 24 or elements 16 have been touched or affected in step repository 44, and may later use this information to generate corresponding steps 34. In addition, system 10 may store information regarding all elements that depend on an element 16 whose atom 24 has been touched, so that changes may be propagated to those elements. Steps 34 to carry out the changes may be created immediately, or their creation may be delayed, for example, until regeneration occurs. Step executor 42 may treat atoms 24 according to the manner in which they are familially related. For example, a step whose execution depends on some piece of data would report the atom corresponding to that piece of data as a parent; when the data corresponding to the parent atom is changed, the step needs to be executed, changing the data corresponding to the result atom. Likewise, any child atom of the child atom (i.e., a grandchild atom) could also need to be changed. Because higher generations of atoms by definition affect lower generations of atoms, step propagator 38 may work from top to bottom through the family tree of atoms 24, so that a step that is associated with a child is handled after the steps of all its parents and other upstream relatives. --

Please replace the paragraph beginning at page 21, line 1 with the following rewritten paragraph, which corrects the reference to Figure 6C to be a reference to Figure 5C:

-- FIGS. 5A-5D show a model comprising three parallel walls 162, 164, 166, that are perpendicular to another wall 160. FIG. 5A shows a starting position for the walls, with walls 162, 166 at the opposite ends of wall 160, and wall 164 located nearer wall 166 than wall 162. FIG. 5B shows the model after an equal spacing constraint has been imposed on the walls 162, 164, 166. Although which of the three walls to be moved as a result of the constraint may not be
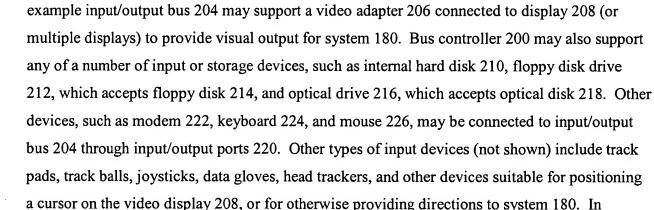
specified, the system may select wall 164 according to a predetermined rule using guessed propagation. For example, a rule may state that outside walls that are fixed at their ends should not be moved if possible. FIG. 5C shows the model after one of walls 164, 166 has been moved, and there is a spacing constraint between the walls. Note that the atom corresponding to the endpoint of wall 166 does not have a deterministic relationship to the atom corresponding to the endpoint of wall 160, so that wall 166 may move without affecting wall 160. In contrast, in FIG. 5D, the relationship between the endpoint of wall 166 and the endpoint of wall 160 is deterministic. Thus, when wall 164 is moved, it imposes a constraint on wall 166 based on the fixed distance defined between the walls. Likewise, wall 166 imposes a deterministic constraint on the endpoint of wall 160. As a result, when wall 164 is moved, wall 166 moves along and drags with it the end of wall 160. --

Please replace the paragraph beginning at page 23, line 4 with the following rewritten paragraph, which corrects the label for the input-output bus to read "204" so as to match the figure:

-- Bus controller 200 may connect to other devices through input/output bus 204. For example input/output bus 204 may support a video adapter 206 connected to display 208 (or multiple displays) to provide visual output for system 180. Bus controller 200 may also support any of a number of input or storage devices, such as internal hard disk 210, floppy disk drive 212, which accepts floppy disk 214, and optical drive 216, which accepts optical disk 218. Other devices, such as modem 222, keyboard 224, and mouse 226, may be connected to input/output bus 204 through input/output ports 220. Other types of input devices (not shown) include track pads, track balls, joysticks, data gloves, head trackers, and other devices suitable for positioning a cursor on the video display 208, or for otherwise providing directions to system 180. In addition, network adapter 228 may be provided to give system 180 access to external resources, such as a LAN, WAN, VPN, or the Internet. --